

Claims

I claim:

- 53b
A1
1. A method of augmenting a tomographic projection image of a patient comprising the steps of:
- 5 obtaining a first sinogram data set from a patient;
reconstruct the first sinogram data set into a first image;
aligning the first image to a second image so that optimal registration between the first and second image is obtained;
reprojecting the aligned image into a third sinogram data set;
10 extracting data from the third sinogram data set that is not available in the first sinogram data set;
augmenting the first sinogram data set with the extracted data from the previous step to obtain an augmented sinogram data set;
reconstructing the augmented sinogram data set into a third image.
- 15
2. A method of augmenting a tomographic projection image of a patient comprising the steps of:
- converting a limited data sinogram to a limited data image;
fusing the limited data image to a complete image to obtain a transformed complete
20 image;
reprojecting a sinogram for the transformed complete image;
augmenting the limited data sinogram with additional data obtained from the reprojected sinogram for the transformed complete image;

men

Add A1

THE **WORLD'S** **LARGEST** **BOOKSTORE**